

NOTES:
1. MODIFIED FROM PURCHASED PART #MAT15

SPECIFICATIONS:
MODEL: SCHNEEBERGER MAT15, SPECIAL
MATERIAL: STEEL
USABLE STROKE: 200mm
EFFECTIVE STROKE: 220mm

PRECISION:
STRAIGHTNESS: 10um / 200mm
FLATNESS: 10um / 200mm
ROLL: -25 uRAD
REPEATABILITY: 100um (BY-DIRECTIONAL) / 200mm

BALLSCREW:
PITCH: 10mm
PRECISION GLASS: 10um / 300mm PRELOADED
THREAD LENGTH: 382mm
TRANSLATION RESOLUTION: 10um

MAX. SPEED: 50mm / SEC.

DIMENSIONS:
OVERALL:
LENGTH L: 650mm
WIDTH: 304mm
HEIGHT: 90mm

BASE:
LENGTH L: 650mm
WIDTH: 280mm
HEIGHT: 40mm

UPPER:
LENGTH L1: 300mm
WIDTH B: 300mm
HEIGHT: 30mm

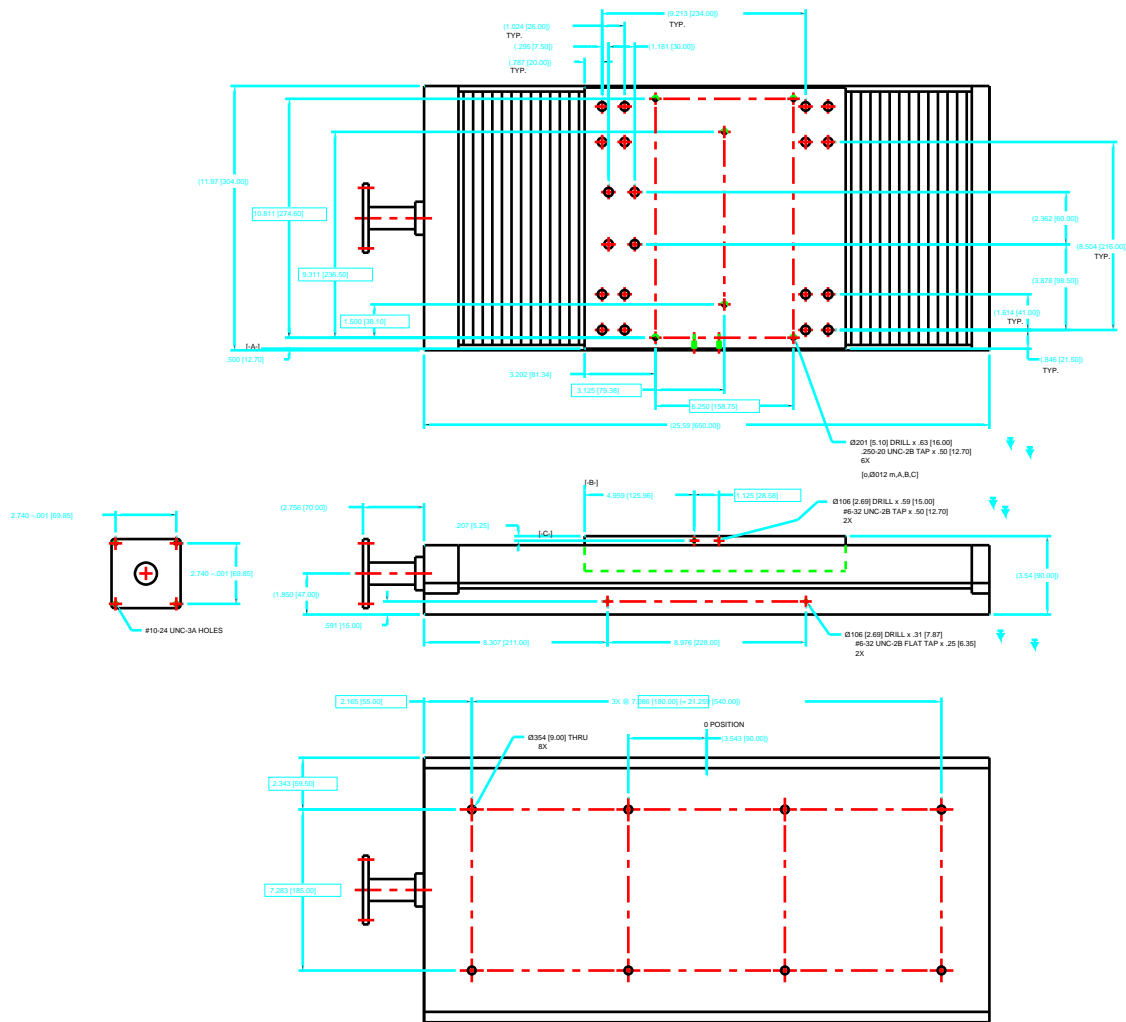
RAIL LENGTH: 580mm

OPTIONS:
LIMIT SWITCHES: 2 END SWITCHES, PROXIMITY TYPE
HOME SWITCHES: 1 LOCATED AT THE CENTER OF TRAVEL
ENCODER: OPTICAL, LINEAR, INCREMENTAL, FULL TRAVEL RANGE
RESOLUTION: 1um
OUTPUT: TTL COMPATIBLE
COVER: BELLLOWS, 13 FOLDS / SIDE
VARIOUS: WITH COUPLING, COUPLING HOUSING AND NEMA SIZE 34 MOUNTING ARRANGEMENT

OPERATING CONDITIONS:
THIS LINEAR TRANSLATION TABLE WILL OPERATE AT 2° INCLINE FROM HORIZONTAL AND FACING UP. THE LOADING WILL BE 50 LBS. APPLIED NORMAL TO THE MIDPOINT OF THE TABLE. THE AMBIENT OPERATING TEMPERATURE WILL BE APPROXIMATELY 20°C. THE LUBRICATION WILL BE APPLIED DIRECT.

TESTING AND INSPECTION:
THIS TABLE IS TO BE ASSEMBLED AND INSPECTED BY THE MANUFACTURER. STRAIGHTNESS, FLATNESS, AND ROLL ARE TO BE MEASURED AT 20mm INTERVALS MINIMUM OVER THE FULL RANGE OF TRAVEL. AN INSPECTION REPORT IS TO BE SUPPLIED AT THE TIME OF SHIPPING OF THE COMPONENT.

2. DIMENSIONS IN BRACKETS [] ARE MILLIMETERS AND ARE FOR REFERENCE ONLY.



SOURCE

SCHNEEBERGER INC.
11 DIANGELO DRIVE
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REV	DESCRIPTION	DATE	BY	CHKD	APP'D
1	ISSUED FOR MANUFACTURE	01/15/01	R. KRAKORA	1/95	
2	REVISION	01/15/01	C. BRITE	1/95	
3	REVISION	01/15/01	R. KRAKORA	1/95	
4	REVISION	01/15/01	C. BRITE	1/95	

SEE NOTE 1	1.2	1.0	1.0
1.0	1.0	1.0	1.0

ARGONNE NATIONAL LABORATORY	ADVANCED PHOTON SOURCE
LINEAR TABLE	MODIFIED
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